

ORIGINAL

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

API No. 15- 175-21,410-0000

County SEWARD

NE - NE - SW - SW Sec. 20 Twp. 33S Rge. 33 X W

1250 Feet from SX (circle one) Line of Section

1250 Feet from X/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or SW (circle one)

Lease Name THOMPSON "F" Well # 1H

Field Name HUGOTON

Producing Formation CHASE

Elevation: Ground 2861.8 KB --

Total Depth 3031 PBD 2910

Amount of Surface Pipe Set and Cemented at 663 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set Feet

If Alternate II completion, cement circulated from

feet depth to w/ sx cmt.

Drilling Fluid Management Plan ALT 1 JH 4-18-96  
(Data must be collected from the Reserve Pit)

Chloride content 128,267 ppm Fluid volume 700 bbls

Dewatering method used NATURAL EVAPORATION

Location of fluid disposal if hauled offsite:

Operator Name

Lease Name License No.

Quarter Sec. Twp. S Rng. E/W

County Docket No.

Operator: License # 4549

Name: ANADARKO PETROLEUM CORPORATION

Address P. O. BOX 351

City/State/Zip LIBERAL, KANSAS 67905-0351

Purchaser: TO BE DETERMINED

Operator Contact Person: J. L. ASHTON

Phone (316) 624-6253

Contractor: Name: GABBERT-JONES, INC.

License: 5842

Wellsite Geologist: NA

Designate Type of Completion

X New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.

Gas ENHR X SIGW

Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator:

Well Name:

Comp. Date Old Total Depth

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBD

Commingled Docket No.

Dual Completion Docket No.

Other (SWD or Inj?) Docket No.

8/26/94 8/31/94 11/10/94

Spud Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Leslie I. Barnes

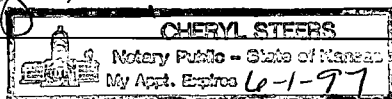
Title SR. TECHNICAL ASSISTANT Date 11/28/94

Subscribed and sworn to before me this 28th day of November

19 94.

Notary Public Cheryl Steers

Date Commission Expires



K.C.C. OFFICE USE ONLY  
F Letter of Confidentiality Attached  
C Wireline Log Received  
C Geologist Report Received  
Distribution  
KCC SWD/Rep NGPA  
KGS Plug Other  
(Specify)

Operator Name ANADARKO PETROLEUM CORPORATION Lease Name THOMPSON "F" Well # 1H

Sec. 20 Twp. 33S Rge. 33  East  West  
 County SEWARD

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken  Yes  No  
 (Attach Additional Sheets.)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy.)

Log Formation (Top), Depth and Datums  Sample  
 Name Top Datum  
 B. STONE CORRAL 1630  
 HERRINGTON 2614  
 KRIDER 2644  
 WINFIELD 2698  
 TOWANDA 2753  
 COUNCIL GROVE 2981

List All E.Logs Run: **CEMENT BOND  
 DUAL-SPACED NEUTRON  
 MSFL  
 CORE #1 2645-2705: HIGH RESOLUTION INDUCTION  
 COMPENSATED SPECTRAL GAMMA  
 LONG-SPACED SONIC**

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE	12 1/4	8 5/8	24	663	75/25 POZMIX/ CLASS H	360/150	2%CC, 1/4#SX FLOC 2%CC, 1/4#SX FLOC
PRODUCTION	7 7/8	5 1/2	15.5	3030	CLASS C/ CLASS C	270/40	20%DCD, 2%CC, 1/4# SX FLOC/10%DCD, 2%CC, 1/4#/SX FLOCELE

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth ACIDIZE IN 2' INTERVALS W/50 GAL/FT 15% FEHCL ACID, TOTAL ACID = 800 GALS 1 2614-2630
2	2614-2630	FRAC W/5000 GALS 30# LINEAR GELLED 2% KCL WTR & 2500# 40/70 SD, FRAC W/16,000 GALS 30# LINEAR GELLED 2% KCL WTR & 26,000# 20/40 SD, LAST 3000# PROP LOCK 2614-2630
4	2644-2682	

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 3/8	2703		

Date of First, Resumed Production, SWD or Inj. SI WOPL Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil -- Bbls.	Gas 693 Mcf	Water 68 Bbls.	Gas-Oil Ratio --	Gravity --

Disposition of Gas: **METHOD OF COMPLETION** Production Interval  
 Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled 2614-2682 OA  
 (If vented, submit ACO-18.)  Other (Specify) \_\_\_\_\_

GABBERT-JONES, INC.  
WICHITA, KANSAS

- DRILLERS' WELL LOG -

WELL NAME: Thompson F-1H  
Sec 20-33S-33W  
Seward County, Kansas

ORIGINAL

API # 15-175-21410

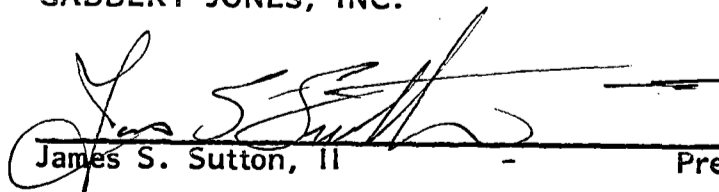
COMMENCED: 8-26-94  
COMPLETED: 9-3-94  
OPERATOR: Anadarko Petroleum Corp

DEPTH		FORMATION	REMARKS
From	To		
0	600	Sand	
600	1115	Redbed	Ran 16 jts of 24# 8 5/8"
1115	1260	Glorietta Sand	csg LD @ 663' w/360 sks
1260	1710	Redbed	75/25 Posmix 2% CC 1/4#
1710	2050	Redbed-Shale	Celoflake - 150 sks Common
2050	2645	Shale	2%CC 1/4# Celoflake
2645	2706	Core	PD @ 12:15PM 8-7-94
2706	3031	Shale	
	3031 TD		Ran 69 jts of 15 1/2# 5 1/2"
			csg LD @ 3030. w/270 sks
			Prem + 20% DCD 2% CC
			1/4# Floseal 40 sks Prem +
			10% DCD 2% CC 1/4# Floseal
			PD @ 4:30PM 9-2-94
			RR @ 5:30PM 9-3-94

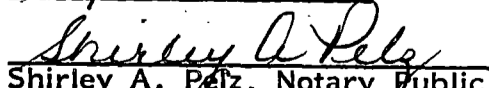
STATE OF KANSAS ]  
COUNTY OF SEDGWICK ]

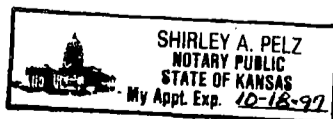
I, the undersigned, being sworn on oath, state that the above Drillers' Well log is true and correct to the best of my knowledge and belief and according to the records of this office.

GABBERT-JONES, INC.

  
James S. Sutton, II President

Subscribed & sworn to before me this 9th day of September, 1994

  
Shirley A. Pelz, Notary Public  
My commission expires: October 18, 1997



RECEIVED  
STATE CORPORATION COMMISSION

DEC 09 1994

CONSERVATION DIVISION  
WICHITA, KANSAS

**ANADARKO PETROLEUM CORPORATION**

PHONE 316 - 624 - 6253    1701 NORTH KANSAS AVE.    P.O. BOX 351    LIBERAL, KANSAS 67905 - 0351



April 16, 1996

Kansas Corporation Commission  
Conservation Division  
Finney State Office Building  
130 South Market, Rm 2078  
Wichita, Kansas 67202

Attn: Jim Hemmen

Re: Thompson F-1H  
Section 20-33S-33W  
Seward County, Kansas

Dear Mr. Hemmen:

In reference to our phone conversation on Monday, 4/08/96, enclosed please find a copy of the SDL-DSN, MSFL, and CBL logs for the referenced well. Please file accordingly.

Sincerely,

A handwritten signature in cursive script that reads "John M. Dolan".

John M. Dolan  
Sr. Technical Assistant  
/sh

Attachment

cc: well file

hemmen.wp6

RECEIVED  
KANSAS CORPORATION COMMISSION

APR 18 1996

CONSERVATION DIVISION  
WICHITA, KS



JOB LOG FORM 2013 R-4

CUSTOMER Anadarko pet WELL NO. 1-H LEASE Thompson F JOB TYPE 8 3/8 Surface TICKET NO. 635182

Table with columns: CHART NO., TIME, RATE (BPM), VOLUME (BBL) (GAL), PUMPS T, C, PRESSURE (PSI) TUBING, CASING, DESCRIPTION OF OPERATION AND MATERIALS. Includes handwritten entries for times 0400, 0700, 0930, 1015, 1110, 1120, 1135, 1140, 1153, 1158, 1159, 1208, 1209 and descriptions like 'called out for 0730 on location', 'Safety meeting', 'Rig up', 'Still Dring', 'Pull Drill pipe', 'Run casing', 'Drop Ball', 'Circulate with Rig Pump', 'Hook up cement line', 'start lead cement', 'start Tail cement', 'Release Plug', 'Displace Plug', 'Land Plug', 'Release psi check float OK', 'Circulated cement to pit'. A large 'ORIGINAL' stamp is present in the center.



# JOB SUMMARY

HALLIBURTON DIVISION  
HALLIBURTON LOCATION

OK CITY  
Liberal

BILLED ON TICKET NO.

635782

## WELL DATA

FIELD \_\_\_\_\_ SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RNG. \_\_\_\_\_ COUNTY Seward STATE Ks

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_

FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_

INITIAL PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD

PRESENT PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD

COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_

PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_

BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_

MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	24	8 5/8	KB	665	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

## JOB DATA

### TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT-COLLAR <u>Auto fill</u>	1	H
FLOAT SHOE <u>Insert</u>	1	0
GUIDE SHOE <u>Reg</u>	1	0
CENTRALIZERS <u>54</u>	3	W
BOTTOM PLUG		
TOP PLUG <u>SW</u>	1	C
HEAD <u>PC</u>	1	0
PACKER <u>Basket</u>	1	0
OTHER <u>weld A</u>	1	

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>8-27-94</u>	DATE <u>8-27-94</u>	DATE <u>8-27-94</u>	DATE <u>8-27-94</u>
TIME <u>0400</u>	TIME <u>0700</u>	TIME <u>1140</u>	TIME <u>1215</u>

## PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>O Nicholas</u>	<u>41525</u>	<u>Liberal</u>
<u>H Tedder</u>	<u>50404</u>	<u>ll</u>
<u>m Lewis</u>	<u>50737</u>	<u>Hugoton</u>
<u>J Booth</u>	<u>4461</u>	<u>ll</u>
<u>69511</u>	<u>5839</u>	

### MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB./GAL. °API

DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB./GAL. °API

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN.

NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN.

FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.

GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.

FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.

BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.

BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_

PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_

OTHER \_\_\_\_\_

OTHER \_\_\_\_\_

DEPARTMENT Cement

DESCRIPTION OF JOB 8 5/8 Surface

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN.

CUSTOMER REPRESENTATIVE X Job Shree

HALLIBURTON OPERATOR Owlb Nicholas COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>360</u>	<u>#25 P02 H</u>			<u>2% CC 1/4" SK floccle</u>	<u>1.14</u>	<u>15.3</u>
	<u>150</u>	<u>Prem H</u>			<u>2% CC 1/4" floccle</u>	<u>1.06</u>	<u>16.4</u>

## PRESSURES IN PSI

## SUMMARY

## VOLUMES

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESFLUSH: BBL.-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_

BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL: BBL.-GAL. 40

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN. \_\_\_\_\_ CEMENT SLURRY: BBL.-GAL. 73.1 - 28.3

HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_ AVERAGE RATES IN BPM \_\_\_\_\_

TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_

CEMENT LEFT IN PIPE \_\_\_\_\_

REMARKS Circulated cement

FEET 42 REASON \_\_\_\_\_

CUSTOMER: Anadarko Petroleum Lease Thompson  
WELL NO: F-11  
JOB TYPE: 8 5/8 Surface  
DATE: 8-27-94



HALLIBURTON

HALLIBURTON ENERGY SERVICES

FORM 1906 R-13

CHARGE TO: Andraka Petroleum  
 ADDRESS: \_\_\_\_\_  
 CITY, STATE, ZIP CODE: Liberty, KS

COPY

TICKET No. 635182 - 9

No. 635182 - 9

PAGE 1 OF 1

SERVICE LOCATIONS 1. <u>Liberty, KS</u>	WELL/PROJECT NO. <u>1-11</u>	LEASE <u>Thunderbolt F</u>	COUNTY/PARISH <u>Seward</u>	STATE <u>KS</u>	CITY/OFFSHORE LOCATION	DATE <u>8-27-94</u>	OWNER <u>Esmer</u>
2. <u>11-17</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>Halliburton</u>	RIG NAME/NO. <u>9</u>	SHIPPED VIA	DELIVERED TO <u>LOCATION</u>	ORDER NO.
3.	WELL TYPE <u>12</u>	WELL CATEGORY	JOB PURPOSE <u>OID 85/8.5 surface</u>	WELL PERMIT NO.	WELL LOCATION <u>20-335-33W</u>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACGT	DF							
000 117		1			MILEAGE	20	mi	1		2.75	55.00
001 010		1			Pump Charge	665	ft	1			890.00
025 117		1			5W Plug	1	EO	1	37.00		130.00
16 A	530-2171	1			Guide Shoe	1	EO	1	161		161.00
24 A	515-19502	1			Insert float	1	EO	1	171		171.00
27	815-19415	1			Auto fill	1	EO	1	55		55.00
40	811-61648	1			Control valves	3	EO	1	65.00		195.00
37	816-70000	1			Convent Basket	1	EO	1	122		122.00
250	870-10802	1			Weld A	1	LB	1	140		140.50

**LEGAL TERMS:** Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE: X

DATE SIGNED: 8/27/94 TIME SIGNED: 1:35  A.M.  P.M.

do  do not require IPC (Instrument Protection).  Not offered

SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		<b>SURVEY</b>		AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL <u>1793 60</u>
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?		<input checked="" type="checkbox"/>			
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?		<input checked="" type="checkbox"/>			FROM CONTINUATION PAGE(S) <u>6499 80</u>
TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?		<input checked="" type="checkbox"/>			SUB-TOTAL <u>8213 80</u>
TUBING SIZE	TUBING PRESSURE	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?		<input checked="" type="checkbox"/>			
TREE CONNECTION	TYPE VALVE	ARE YOU SATISFIED WITH OUR SERVICE?		<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO		SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE
		<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

**CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES** - The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT): X

CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): Andraka Petroleum

HALLIBURTON OPERATOR/ENGINEER: 41225

HALLIBURTON APPROVAL: \_\_\_\_\_



HALLIBURTON

HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

CUSTOMER COPY

92 M.G.

TICKET No. **62E182**

CUSTOMER <b>Anadarko Petroleum Corp.</b>	WELL <b>Thompson "F" #1-H</b>	DATE <b>08-27-94</b>	PAGE <b>1</b>	OF <b>1</b>
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FORM 1911 R-10

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
504-043	516.00272				Premium Cement	150	sk			9.82	1473.00
					360 C.F. 25/75 Penremium Cement						
504-043	516.00272				Premium Cement	270	sk			9.82	2651.40
506-105	516.00286				Pozmix A	6660	lb			.074	492.84
507-210	890.50071				Flocele 1/2#W/ 510	128	lb			1.65	211.20
509-406	890.50812				Calcium Chloride 2#W/ 510	9	sk			36.75	330.75
500-207					SERVICE CHARGE			CUBIC FEET	537	1.35	724.95
500-306					MILEAGE CHARGE	TOTAL WEIGHT	46,988	LOADED MILES	24	TON MILES	563.856
										95	535.66

ORIGINAL

No. B 262821

CONTINUATION TOTAL	<b>1419.80</b>
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**JOB LOG FORM 2013 R-4**

CUSTOMER <b>Anadarko Pet.</b>	WELL NO. <b>1-H</b>	LEASE <b>Thompson F#</b>	JOB TYPE <b>035</b>	TICKET NO. <b>635451</b>
----------------------------------	------------------------	-----------------------------	------------------------	-----------------------------

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)		PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
					T	C	TUBING	CASING	
	05:00								Callout
	12:00								on hoc Rg on lay Down D.P.
	13:35								Start 5 1/2 CSG in Hole
									ORIGINAL
	15:35	6	10		/		250		28 KCH H2O
		"	30		/		"		mud Flush
		"	10		/		"		28 KCH H2O
	15:42	"			/		"		270 sk Pl + 20% Diacid D, 2% cc
		"	129.3		/		100		4 1/2 Flocc
		"			/		"		40 sk Pl + 10% Diacid D, 2% cc
		"	14.8		/		"		4 1/2 flocc
	16:12	—					—		Stop Wash-up Pumps & lines To Pit
									Drop 5-w Plug
	16:15	6			/		100		Start Displ w H2O
		"	30		/		250		
	16:30	"	61		/		750		Plug Down Release Back Ps.
		"	71.1		/		0		float Holding
									3 bbls cmt To Pit.

Thank You  
Tim & Crew

WELL DATA  
FIELD \_\_\_\_\_ SEC. 20 TWP. 33S RNG. 33W COUNTY Seward STATE Ks

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
INITIAL PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
PRESENT PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
COMPLETION DATE \_\_\_\_\_ MUD TYPE Chm MUD WT. 9.0  
PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_  
BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
MISC. DATA \_\_\_\_\_ TOTAL DEPTH 3031

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	15.5	5 1/2	<del>00</del>	3029	1500
LINER						
TUBING						
OPEN HOLE				GL	3031	SHOTS/FT.
PERFORATIONS	ORIGINAL					
PERFORATIONS						
PERFORATIONS						

**JOB DATA**

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>Insert</u>	1	
FLOAT SHOE <u>fill-up</u>	1	
GUIDE SHOE <u>2 1/2</u>	1	
CENTRALIZERS <u>54</u>	14	
BOTTOM PLUG		
TOP PLUG <u>5-W</u>	1	
HEAD <u>QCC</u>	1	
PACKER		
OTHER		

CALLLED OUT DATE	ON LOCATION DATE	JOB STARTED DATE	JOB COMPLETED DATE
9-2-94	9-2-94	9-2-94	9-2-94
TIME 05:00	TIME 12:00	TIME 15:35	TIME 16:30

**PERSONNEL AND SERVICE UNITS**

NAME	UNIT NO. & TYPE	LOCATION
T Bohannan 87748	40076 P.O.	Liberal Ks
N Tate 20568	52823 75374 P	" "
D Hamilton G 3090	4673 4515	Hugotank
J Booth G 9514	4461 6612	" "

**MATERIALS**

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB./GAL. API  
DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB./GAL. API  
PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN  
NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN  
FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_  
PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
OTHER \_\_\_\_\_  
OTHER \_\_\_\_\_

DEPARTMENT 5001  
DESCRIPTION OF JOB 035  
JOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN.   
CUSTOMER REPRESENTATIVE X Tim Bohannan  
HALLIBURTON OPERATOR Tim Bohannan COPIES REQUESTED \_\_\_\_\_

**CEMENT DATA**

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
1	270	Prem +		B	20% Diacel D, 2% cc, 1/4" Block	2.69	12
2		Prem +		B	10% Diacel D, 2% cc, 1/4" Block	2.09	13

**PRESSURES IN PSI**

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_  
BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_  
AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_  
SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_  
HYDRAULIC HORSEPOWER \_\_\_\_\_  
ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
AVERAGE RATES IN BPM \_\_\_\_\_  
TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
CEMENT LEFT IN PIPE \_\_\_\_\_  
FEET 40 REASON Shoc JT

**SUMMARY**

VOLUMES  
PRESLUSH: BBL.-GAL. 10-30-10 TYPE 2 1/2" kh mod 2 1/2" kh  
LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_  
TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL: BBL.-GAL. 71.1  
CEMENT SLURRY: BBL.-GAL. 129.3 + 14.8  
TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_

**REMARKS**

CUSTOMER Andarcho Petroleum  
LEASE Thompson F  
WELL NO. 1-H  
JOB TYPE 035  
DATE 9-2-94



HALLIBURTON ENERGY SERVICES

TICKET CONTINUATION

DUNCAN COPY

TICKET No. **635451**

CUSTOMER **APC** WELL **Thompson "F"** DATE **9-2-94** DC **8** PAGE **1** OF **1**

FORM 1911 R-10

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF								
504-050	516.00265				Premium Plus Cement	310	sk			10.36	3211	60
507-775	890.50071				Flocele	80	LB sk			1.65	132	00
509-406	890.50812				Calcium Chloride	6	sk			36.75	220	60
500-959	70.15524				Diacel	5400	LB			42	2268	00
ORIGINAL												
500-207					SERVICE CHARGE							
500-306					MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	TON MILES				
						35,100	22	386.100				

CONTINUATION TOTAL **7,055.25**

No. B 262841